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PATENT

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Assistant Commissioner of Patents
Box PATENT APPLICATIONS
Washington, D.C. 20231

CERTIFICATE OF MAILING

37 C.F.R. 1.10

I hereby certify that this correspondence is being deposited on
6-16-2000, 2000, with the United States Postal Service as
Express Mail No. EL35691601745 in an envelope addressed
to: Assistant Commissioner of Patents, Box PATENT
APPLICATION, Washington, D.C. 20231.

6-16-2000

Date

Signature

REQUEST FOR FILING A PATENT APPLICATION UNDER 37 C.F.R. 1.53(b)

This is a request for a filing a continuing application procedure, 37 CFR 1.53(b) for:

Continuation

Divisional

Continuation-in-part

attached is an amendment for added subject matter

Continuing application to permit consideration of an information disclosure statement under 37 CFR 1.97.

Enclosed is a copy of the latest inventor-signed prior application, including a copy of the oath or declaration showing the original signature or an indication it was signed. I hereby verify that the papers are a true copy of the latest signed prior application serial number 08/944,240, and further that all statements made herein of my own knowledge are true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

A preliminary amendment is enclosed

Formal drawings are enclosed

PARTICULARS OF PRIOR APPLICATION

Application Serial No.: 08/944,240

Filed: 10/06/97

Title: Apparatus for Monitoring Process of a Substrate

(a) This application discloses and claims only subject matter disclosed in the prior application whose particulars are set out above, and the inventor(s) in this application are:

the same

less than those named in the prior application, and it is requested that the following inventor(s) identified above for the prior application be deleted:

(b) This application discloses and claims additional disclosure by amendment and a new declaration or oath is being filed. With respect to the prior application whose particulars are set out above, the inventor(s) in this application are:

the same

Add the following additional inventor(s):

(c) The inventorship for all the claims in this application is:

the same

not the same; and an explanation, including the ownership of the various claims at the time the last claimed invention was made, is submitted.

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IDENTIFICATION OF CLAIMS FOR FURTHER PROSECUTION

| x | The fees to be charged are to be based on the number of claims remaining as a result of the:

| | attached preliminary amendment

| | unentered amendment filed under 37 CFR 1.116 in the prior application, which is now repeated.

| | the claims as on file in the prior application

| x | the claims 1-32 of the present application.

| | cancel in this application original claims 1-23.

FEE CALCULATION (37 CFR 1.16)

	NUMBER OF CLAIMS FILED	LESS NUMBER PAID BY BASIC FEE	NUMBER OF EXTRA CLAIMS (Not less than zero)	LARGE ENTITY FEE
Basic Fee				\$690
Total Claims	32	- 20 = 12	x 18 =	\$216
Independent Claims	6	- 3 = 3	x 78 =	\$234
First Presentation of Multiple Dependent Claims + 250				-0-
Total Filing Fee Calculation:				\$1,140

| | A verified statement to establish small entity status under 37 CFR 1.9 and 1.27

| | is enclosed

FEE PAYMENT BEING MADE AT THIS TIME

| | No filing fee is submitted

The Commissioner is hereby authorized to charge the Filing Fee of \$1,140.00 to **Deposit Account 50-1074**.

| | Recording assignment (\$40) [37 CFR 1.21(h)]

| | Petition fee for filing by other than all the inventors or person not the inventor where inventor refused to sign or cannot be reached (\$130) [37 CFR 1.47 and 1.17(h)]

| | Processing and retention fee (\$130) [37 CFR 1.53(d) and 1.21(l)]

| | A check in the amount of: \$ _____ (**A duplicate copy of this request is enclosed**)

AUTHORIZATION TO CHARGE ADDITIONAL FEES

The Commissioner is hereby authorized to charge the following additional fees which may be required by this paper and during the entire pendency of this application, to **Deposit Account 50-1074**.

37 CFR 1.16(a), (f) or (g) (filing fees)

37 CFR 1.16(b), (c) and (d) (presentation of extra claims)

37 CFR 1.16(e) (surcharge for filing the basic filing fee and/or declaration on a date later than the filing date of the application)

37 CFR 1.17 (application processing fees)

| | 37 CFR 1.18 [issue fee at or before mailing of Notice of Allowance, pursuant to 37 CFR 1.311(b)]

INSTRUCTIONS AS TO OVERPAYMENT

Credit Deposit Account No. 50-1074

PRIORITY--35 U.S.C. 119

| | Priority of application Serial No. _____ filed on _____ in _____ is claimed under 35 U.S.C. 119.

| | The certified copy has been filed on _____ in prior U.S. application Serial No. _____, which prior application was filed on _____.

| | Certified copy will follow.

RELATE BACK--35 U.S.C. 120

| | Amend the specification by inserting before the first line the sentence:

"This is a | | continuation | | divisional | | continuation-in-part
of copending application(s)

| | Serial No. _____, filed on _____.

| | International Application _____ filed on _____ and which
designated the U.S.

ASSIGNMENT

The prior application is assigned of record to: Applied Materials, Inc.

| | An assignment of the invention to: _____, is attached.

| | Form PTO 1595 (Recordation Form Cover Sheet) is also attached (**in duplicate**)

POWER OF ATTORNEY

The power of attorney in the prior application is to:

Michael L. Sherrard	Registration No. 28,041
Peter J. Sgarbossa	Registration No. 25,610
Donald Verplancken	Registration No. 33,217
Lawrence Edelman	Registration No. 25,226
Michael B. Einschlag	Registration No. 29,301
Raymond Kam-On Kwong	Registration No. 37,165
James C. Wilson	Registration No. 35,412
Robert W. Mulcahy	Registration No. 25,436
Sarah J. Brashears	Registration No. 38,087
Ashok K. Janah	Registration No. 37,487
Guy V. Tucker	Registration No. 45,302

The power appears in the original papers in the prior application submitted herewith.

The power does not appear in the original papers, but was filed on _____.

A new power has been executed and is attached.

Send correspondence to:

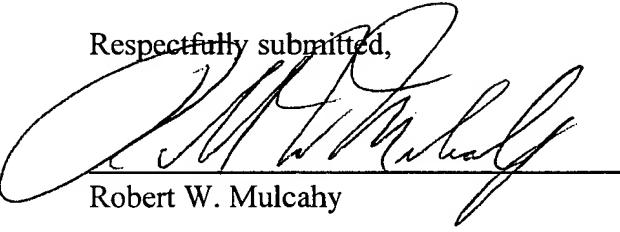
Patent Counsel
APPLIED MATERIALS, INC.
P. O. Box 450-A
Santa Clara, CA 95052

Direct telephone calls to:

Firm Name: Janah and Associates
Firm Address: 650 Delancey Str., Suite 106
San Francisco, CA 94107-2001
Phone: (415)538-1555

Date: 6/16/00

Respectfully submitted,


Robert W. Mulcahy

Registration No. 25,436
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P. O. BOX 450-A
Santa Clara, CA 95052
Attorney for Applicant